Approved for use through 10/31/2002. OMB 0651-0031

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB

Substitute for form 1449A/PTO

## INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

Sheet of

| Complete if Known      |                   |  |  |  |  |
|------------------------|-------------------|--|--|--|--|
| Application Number     | 09/916,062        |  |  |  |  |
| Filing Date            | July 26, 2001     |  |  |  |  |
| First Named Inventor   | Juzer Jangbarwala |  |  |  |  |
| Art Unit               | 1741              |  |  |  |  |
| Examiner Name          |                   |  |  |  |  |
| Attorney Docket Number | 1777              |  |  |  |  |

|            |  | U.S. PATE                              | NT DOCUMENTS  |   |
|------------|--|--|---|---|
| Examiner C | <br>Document Number<br>Number - Kind Code <sup>2</sup> (if known   | Publication Date<br>MM-DD-YYYY         | Name of Patentee or<br>Applicant of Cited Document                | Pages, Columns, Lines, Where<br>Relevant Passages or Relevant<br>Figures Appear |
|            | us-4,212,722<br>us-4,431,496<br>us-4,960,584<br>us-5,116,511<br>us-5,183,544<br>us-5,310,486<br>us-5,476,591<br>us-6,156,186<br>us-5,149,411<br>us-1<br>us-1<br>us-1<br>us-1<br>us-1<br>us-1<br>us-1<br>us-1<br>us-1<br>us-1<br>us-1<br>us-1<br>us-1<br>us-1<br>us-1<br>us-1<br>us-1<br>us-1<br>us-1<br>us-1<br>us-1<br>us-1<br>us-1<br>us-1<br>us-1<br>us-1<br>us-1<br>us-1<br>us-1<br>us-1<br>us-1<br>us-1<br>us-1<br>us-1<br>us-1<br>us-1<br>us-1<br>us-1<br>us-1<br>us-1<br>us-1<br>us-1<br>us-1<br>us-1<br>us-1<br>us-1<br>us-1<br>us-1<br>us-1<br>us-1<br>us-1<br>us-1<br>us-1<br>us-1<br>us-1<br>us-1<br>us-1<br>us-1<br>us-1<br>us-1<br>us-1<br>us-1<br>us-1<br>us-1<br>us-1<br>us-1<br>us-1<br>us-1<br>us-1<br>us-1<br>us-1<br>us-1<br>us-1<br>us-1<br>us-1<br>us-1<br>us-1<br>us-1<br>us-1<br>us-1<br>us-1<br>us-1<br>us-1<br>us-1<br>us-1<br>us-1<br>us-1<br>us-1<br>us-1<br>us-1<br>us-1<br>us-1<br>us-1<br>us-1<br>us-1<br>us-1<br>us-1<br>us-1<br>us-1<br>us-1<br>us-1<br>us-1<br>us-1<br>us-1<br>us-1<br>us-1<br>us-1<br>us-1<br>us-1<br>us-1<br>us-1<br>us-1<br>us-1<br>us-1<br>us-1<br>us-1<br>us-1<br>us-1<br>us-1<br>us-1<br>us-1<br>us-1<br>us-1<br>us-1<br>us-1<br>us-1<br>us-1<br>us-1<br>us-1<br>us-1<br>us-1<br>us-1<br>us-1<br>us-1<br>us-1<br>us-1<br>us-1<br>us-1<br>us-1<br>us-1<br>us-1<br>us-1<br>us-1<br>us-1<br>us-1<br>us-1<br>us-1<br>us-1<br>us-1<br>us-1<br>us-1<br>us-1<br>us-1<br>us-1<br>us-1<br>us-1<br>us-1<br>us-1<br>us-1<br>us-1<br>us-1<br>us-1<br>us-1<br>us-1<br>us-1<br>us-1<br>us-1<br>us-1<br>us-1<br>us-1<br>us-1<br>us-1<br>us-1<br>us-1<br>us-1<br>us-1<br>us-1<br>us-1<br>us-1<br>us-1<br>us-1<br>us-1<br>us-1<br>us-1<br>us-1<br>us-1<br>us-1<br>us-1<br>us-1<br>us-1<br>us-1<br>us-1<br>us-1<br>us-1<br>us-1<br>us-1<br>us-1<br>us-1<br>us-1<br>us-1<br>us-1<br>us-1<br>us-1<br>us-1<br>us-1<br>us-1<br>us-1<br>us-1<br>us-1<br>us-1<br>us-1<br>us-1<br>us-1<br>us-1<br>us-1<br>us-1<br>us-1<br>us-1<br>us-1<br>us-1<br>us-1<br>us-1<br>us-1<br>us-1<br>us-1<br>us-1<br>us-1<br>us-1<br>us-1<br>us-1<br>us-1<br>us-1<br>us-1<br>us-1<br>us-1<br>us-1<br>us-1<br>us-1<br>us-1<br>us-1<br>us-1<br>us-1<br>us-1<br>us-1<br>us-1<br>us-1<br>us-1<br>us-1<br>us-1<br>us-1<br>us-1<br>us-1<br>us-1<br>us-1<br>us-1<br>us-1<br>us-1<br>us-1<br>us-1<br>us-1<br>us-1<br>us-1<br>us-1<br>us-1<br>us-1<br>us-1<br>us-1<br>us-1<br>us-1<br>us-1<br>us-1<br>us-1<br>us-1<br>us-1<br>us-1<br>us-1<br>us-1<br>us-1<br>us-1<br>us-1<br>us-1<br>us-1<br>us-1<br>us-1<br>us-1<br>us-1<br>us-1<br>us-1<br>us-1<br>us-1<br>us-1<br>us-1<br>us-1<br>us-1<br>us-1<br>us-1<br>us-1<br>us-1<br>us-1<br>us-1<br>us-1<br>us-1<br>us-1<br>us-1<br>us-1<br>us-1<br>us-1<br>us-1<br>us-1<br>us-1<br>us-1<br>us-1<br>us-1<br>us-1<br>us-1<br>us-1<br>us-1<br>us-1<br>us-1<br>us-1 | 02-02-1993<br>05-10-1994<br>12-19-1995 | Brown Green et al. Weber et al. Green et al. Green Mueller et al. | RECEIVEL<br>JAN 0 7 2002<br>TC 1700   |

|                                       |                         | FORI   | EIGN PATENT D       | OCUMENTS  |                            |    |
|---------------------------------------|-------------------------|--|---------------------|---|----------------------------|----|
| Examiner Cite Foreign Patent Document | Foreign Patent Document | Publication Date                                   | Name of Patentee or | Pages, Columns, Lines,<br>Where Relevant Passages |                            |    |
| Initials                              | Initials No. 1          | Country Code 3 - Number 4 - Kind Code 5 (if known) |                     | Applicant of Cited Document                       | or Relevant Figures Appear | Т6 |
| ļ<br>i                                |                         |  |                     |   |                            |    |
|                                       |                         |  |                     |   |                            |    |
| i                                     |                         |  |                     |   |                            |    |
| ļ                                     |                         |  |                     |   |                            |    |
| i<br>1                                |                         |  | ·                   |   |                            |    |
| j                                     |                         |  |                     |   |                            |    |
| !                                     |                         |  |                     |   |                            |    |

Date Signature Considered

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

<sup>\*</sup>EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in

conformance and not considered. Include copy of this form with next communication to applicant.

Applicant's unique citation designation number (optional).

See Kinds Codes of USPTO Patent Documents at <a href="https://www.usplo.gov">www.usplo.gov</a> or MPEP 901.04.

Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3).

For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document.

Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible.

Applicant is to place a check mark here if English paragraph Toroglation is utsolved. English language Translation is attached.

PTO/SB/08B (10-01)
Approved for use through 10/31/2002. OMB 0651-0031
U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB

Substitute for form 1449B/PTO

## INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

Sheet of

Complete if Known **Application Number** 09/916,062 July 26, 2001 Juzer Jangbarwala Filing Date First Named Inventor Group Art Unit 1741 **Examiner Name** 1777 Attorney Docket Number

|                      | 1                        | OTHER PRIOR ART NON PATENT LITERATURE DOCUMENTS  | _              |
|----------------------|--------------------------|--|----------------|
| Examiner<br>Initials | Cite<br>No. <sup>1</sup> | Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published | T <sup>2</sup> |
|                      |                          | Undated brochure entitled "Acid Metals Water" by Desal<br>Membrane Products  |                |
|                      |                          | RECEIVI<br>JAN 0 7 2002<br>TC 1700   | E              |
|                      |                          | TC 17002   |                |
|                      |                          | 1700   |                |
|                      |                          | · · · · · · · · · · · · · · · · · · ·  |                |
|                      |                          |  |                |
| - ~                  | ,                        |  |                |
| # ·                  |                          |  |                |
|                      |                          |  |                |
|                      |                          |  |                |

| Examiner  | Musel R/ West           | Date       | 3-31-13 |
|-----------|-------------------------|------------|---------|
| Signature | promise in a company of | Considered | 0 31-00 |

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

<sup>\*</sup>EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>&</sup>lt;sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> Applicant is to place a check mark here if English language Translation is attached.

P.4

PTO/SB/08A (10-01)
Approved for use through 10/31/2002. OMB 0851-0031
U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE
Control number.

Substitute for form 1449A/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

Sheet of

| Complete If Known      |                   |   |  |  |  |
|------------------------|-------------------|---|--|--|--|
| Application Number     | 09/916.062        | _ |  |  |  |
| Filing Date            | July 26, 2001     | ~ |  |  |  |
| First Named Inventor   | Juzer Jangbarwala | _ |  |  |  |
| Art Unit               | 1/41              | _ |  |  |  |
| Examiner Name          |                   | _ |  |  |  |
| Attorney Docket Number | 1777              | _ |  |  |  |

|          |         |   | U,S. PATE   | ENT DOCUMENTS  |  |
|----------|---------|---|---|--|--|
| Examiner | Cite    | Document Number                           | Publication Date  | Name of Patentee or  | Pages, Columns, Lines, Where   |
|          |         | Number - Kind Code <sup>2</sup> (if known |   | Applicant of Cited Document  | Relevant Passages or Relevant<br>Figures Appear  |
|          | l.,     | us-                                       |   |  |  |
|          |         | US-                                       |   | The second secon | Transcription of the second of |
|          | . ,     | US-                                       |   | *** ** ** ***  | P17 No. 1985   |
|          |         | US-                                       |   | Ment to make the commission of the second courts of the second of  | the server and the contract of the server of |
|          |         | บร-<br>บร-                                |   | man the same statement and the same statement of the same of the s | <b>S</b> ,   |
|          | i       | US-                                       | r riminar maren imper elem vol ar mom                           | and administrative and a second second of the second of the second of a second of the  | THO  |
|          | ··· ••• | US-<br>US-                                |   | andre in a securitaria de la larca e de la competitaria de la competitaria de la competitaria de la competitar<br>La competitaria de la competitaria   | The second secon |
|          |         | US-                                       | T WATER AND WATER CO. T. C. | a. Mark da, was a a, response as a result of a state of the second section of the second sections of the second sections of the second sections.   | GAO.   |
|          |         | US-                                       |   | n (FTT THINGS THE STATE - CANADATE TO LOCUME THE THING IS THE WARM SUBJECT TO SEA COPY TO  |  |
|          |         | US-                                       | ***************************************                         |  |  |
| [        |         | US-                                       | . 45 . 5 4 at rissiste e sessente                               | THE PERSON NAMED OF THE PERSON NAMED AND PARTY OF THE PERSON NAMED |  |
|          |         | US-                                       | ***************************************                         |  |  |
|          |         | US-                                       |   | affect to the to desired establishing angle (Augustus - 11 ft) blocks of research office (CDF-10) fraction 2 to  | 11/100   |
|          |         | us-                                       |   | man en en in de en eine en e  |  |
|          |         | US-                                       |   | personal state of the control of the |  |
| - 1      |         | US-                                       |   |  |  |
|          |         | US-                                       |   |  |  |

|                      |               | FOR  | EIGN PATENT D  | OCUMENTS   |  |   |
|----------------------|---------------|--|--|--|--|---|
| Examiner<br>Initials | Cite<br>No. 1 | Foreign Patent Document  Country Code <sup>3</sup> -Number <sup>4</sup> - Kind Code <sup>5</sup> (# known)   | Publication Date   | Name of Patentee or<br>Applicant of Cited Document   | Pages, Columns, Lines,<br>Where Relevant Passages<br>or Relevant Figures Appear  | Te                                      |
| W                    |               |  |  | Jangbarwala  | Manager of Street, of Admired to the Street, a supplied on the Street of Street, or other S |   |
|                      |               | denies - als aggintes à class - Name es als des considerates from territories frances.   | er blodd of the death for our goest produce announce are announced.  |  |  |   |
|                      |               | THE PERSON CONTROL OF THE PERSON OF THE PERS | *** * ***** * * * * * * * * * * * * *  |  |  | <br>                                    |
|                      |               |  |  | and the state of t | apparance to the contract to the contract of t |   |
|                      |               |  | T LIT OF STATEMENT OF THE STATE OF THE STATE OF THE STATEMENT OF THE STATE | AMBERT ON THE PERSON AND A SECURITION OF THE PERSON AS A SECURITIO | ne embre minima em , imperio e que se material distribuidad.   | *************************************** |

Examiner Considered

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

1 Applicant's unique distinct designation number (optional). 
2 See Kinds Codes of USPTO Patent Documents at <a href="https://www.uspto.gov">www.uspto.gov</a> or MPEP 901-04. 
2 Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). 
4 For Japanese patent documents, the indication of the year of the region of the Emperor must precede the serial number of the patent document. 
5 Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. 
6 Applicant is to place a check mark here if English language Translation is attached.

English ranguage franklation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.